PHASE CHART CONTACTS PROJECT DESCRIPTION 6 7 8 9 10 11 12 13 14 GENERAL THE CONTACT PERSONS ARE AS FOLLOWS: R $\begin{pmatrix} R \\ Y \end{pmatrix}$ THIS PROJECT INVLOVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL OF US 29 (GEORGIA AVE) AT SILVER SPRING AVENUE. THE INTERSECTION WILL BE UPGRADED TO APS/CPS AND ALL HANDICAP RAMPS WILL BE RECONSTRUCTED TO ADA STANDARDS. INTERSECTION LIGHTING WILL ALSO BE ADDED. US 29 IS ASSUMED TO Mr. Jeffery Wentz Assistant District Engineer - Traffic GG (G) (G) (G) RUN IN A NORTH-SOUTH DIRECTION. Phone: (301 513-7358 II. INTERSECTION OPERATION Mr. Vernon Stinnett, Jr PHASE 2 AND 6 Assistant District Engineer - Maintenance THE INTERSECTION CURRENTLY OPERATES IN A NEMA FOUR PHASE, SEMIACTUATED MODE. THE THROUGH MOVEMENTS ALONG GEORIGIA AVENUE OPERATE CONCURRENTLY WITH PEDESTRIAN CROSSINGS FOR SILVER SPRING AVE. THE THROUGH MOVEMENTS ALONG SILVER SPRING AVE. OPERATE CONCURRENTLY AND ALLOW ALTERNATE PHASING FOR PEDESTRIAN CROSSING OF THE SOUTHBOUND APPROACH OF US 29 (GEORGIA AVE.) MAINLINE PEDESTRIAN CROSSING WILL NOW OCCUR ON THE NORTHBOUND APPROACH OF US 29 (GEORGIA AVE.) PEDESTRIAN SIDESTREET CROSSING WILL NOW OCCUR ON THE WESTBOUND APPROACH OF US ASSUMED TO BUN IN A NORTH-SOUTH DIRECTION. Phone: (301) 513-7304 | R | R | R |FL/DW|FL/DW| DW | DW PED CLEARANCE Mr. Augie Rebish | R | R | DW | DW | DW | DW | •----• 2 AND 6 CHANGE Utility Engineer Phone: (301) 513-7350 | G | G | DW | DW | DW | DW | R | G | G | G | G PHASE 4 AND 8 SILVER SPRING AVE. US 29 (GEORGIA AVE.) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. Mr. Richard L. Daff, Sr. 4 AND 8 CHANGE III. SPECIAL NOTE: Chief, Traffic Operations Division Phone: (410) 787-7630 R | R | G | G | G | G | G | DW | DW | WK | WK PHASE 4 ALT THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. THE CONTRACTOR SHALL NOTIFY MR.KAMAL HAMUD AT (240) 777-8761 72 HOURS IN ADVANCE OF ALL WORK. THE APS PUSHBUTTONS SHALL BE DELIVERED TO MR.KEITH LORD (301) 674-8965 AT THE MONTGOMERY COUNTY TECHNICAL CENTER, SIX(6) WEEKS PRIOR TO INSTALLATION. G G G G DW DW FLDWFLDW PED CLEARANCE Mr. Ed Rodenhizer Supervisor, Signal Operations 4 ALT CHANGE Phone: 410-787-7650 R R R R R R R R R DW DW DW DW PRE-EMPTION Mr. Kamal Hamud IV. INTERCONNECT: Montgomery County R DW DW DW DW T PRE-EMPTION CHANGE THIS INTERSECTION WILL BE INTERCONNECTED TO THE ADJACENT INTERSECTIONS NORTH AND SOUTH ALONG US 29. SEE INTERCONNECT PLANS FOR DETAILS. Phone: 240-777-8761 FLASHING FL/R | FL/R | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | DARK|DARK|DARK|DARK Mr Eugene Bailey **OPERATION** Supervisor, Sign Shop Phone: EQUIPMENT LIST PRE-EMPTION I. DEPENDING ON THE OPERATING PHASES AT ACTIVATION, ALL PHASES OTHER THAN 6 WILL GO TO PHASE CHANGE. A. EQUIPMENT TO BE FURNISHED BY THE STATE HIGHWAY ADMINISTRATION SLIGO AVE SLIVER SPRING AVE $\neg \Diamond \longrightarrow$ CAT. CODE QUANTITY UNIT DESCRIPTION 2. IT IS ASSUMED THAT AFTER PRE-EMPTION CONTROLLER CABINET, SIZE 6, CONTROLLER ASC II WITH TELEMETRY VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS CHANGE THE CONTROLLER WILL RETURN TO 900000 PHASE 2 AND 6. SHEET ALUMINUMN SIGN D-3(I) (VAR. X 16") MAST ARM MOUNTED R4-7(I) (24" X 30") GROUND MOUNTED RIO-IIB (30" X 30") MAST ARM MOUNTED RIO-3(I) (9" X 15") POLE MOUNTED WIRING KEY CONDUCTOR ELECTRICAL CABLE B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR (NO. 14 AWG) WIRING DIAGRAM QUANTITY UNIT DESCRIPTION CAT. CODE 5 CONDUCTOR ELECTRICAL CABLE G,H,J,K,L,M,N,O MAINTENANCE OF TRAFFIC CLASS 2 EXCAVATION TEST PIT EXCAVATION 5" YELLOW PREF THERMO PAV'T MARK LINES 2 CONDUCTOR ELECTRICAL CABLE C,F,b 12" WHITE PREF THERMO PAV'T MARKING LINES (NO.14 AWG) 4" WHITE PREF THERMO PAV'T MARKING LIN / _ 585625 585700 600000 500 1000 600 REM EXIST PAVM'T MARKING LINES, ANY WIDTH REMOVE AND RESET DECORATIVE BRICK STD TYPE A COMB CURB AND GUTTER 12" X 8" 5 INCH CONCRETE SIDEWALK 2 CONDUCTOR ELECTRICAL CABLE 634300 655105 (NO, 12 AWG) TRAY CABLE 1100 655120 DETECTABLE WARNING SURFACES FURNISH AND INSTALL 2 WIRE CENTRAL CONTROL UNIT FURNISH AND INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS FURNISH AND INSTALL LED I6 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD FURNISH AND INSTALL 2 - 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED IN ONE TRENCH FURNISH AND INSTALL 10' PEDESTAL POLE W/BREAKAWAY COUPLINGS (TIGER DRYLACK GREEN RAL 6009) FURNISH AND INSTALL STEEL POLE WITH TWIN 50' MAST ARM (TIGER DRYLACK GREEN RAL 6009) FURNISH AND INSTALL STEEL POLE WITH TWIN 50' AND 60' MAST ARMS (TIGER DRYLACK GREEN RAL 6009) FURNISH AND INSTALL IS FOOT LIGHTING ARM FOR SIGNAL STRUCTURE (TIGER DRYLACK GREEN RAL 6009) 3 CONDUCTOR ELECTRICAL CABLE 800000 (NO. 14 AWG) 800000 800000 800000 VIDEO DETECTION CABLE 800000 800000 B,C,F,L,P,U,b,x 800000 CONDUCTOR (NO. 6 AWG) 800000 STRANDED COPPER GROUND WIRE 12 INCH (R, Y, G) LED SIGNAL HEAD SECTION 800000 800000 VIDEO DETECTION CAMERA AND CABLE I/C FROM THAYER AVE. 12 PAIR INTERCONNECT CABLE 800000 INSTALL SHEET ALUMINUMN SIGN OVERHEAD OR GROUND MOUNT 807405 ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLT 100 AMP SO PERF TUB ST SIGN POSTS SO TUB STEEL ANCHOR BASES 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED POWER SERVICE UNDERGROUND TO SLIGO AVE. 3 WIRE I CONDUCTOR (NO. 4 AWG) I/C TO SLIGO AVE 805140 GROUND ROD V, I/C TO SLIGO AVE. TO THAYER AVE. 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED 805155 810022 ELECTRICAL CABLE - I CONDUCTOR NO.8 AWG-THHN/THWN B,C,F,L,P,U,V,b,x FURNISH AND INSTALL ELECTRICAL HANDHOLE 811001 I/C FROM THAYER AVE. CONT CAB 500' VID DET CAMERA CNTRLLR INSTALL CONTROLLER AND CABINET - BASE MOUNT 816010 I/C TO SLIGO AVE. 816110 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE (TIGER DRYLACK GREEN RAL 6009) 831010 832020 NO. 6 AWG STRANDED BARE COPPER GROUND WIRE A,B,C,D,E,F,V,x/I/C FROM THAYER AVE. ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG) - ASSUMES SLACK FOR FIRE HOUSE 861105 600 861106 500 1250 LECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) 861107 ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) ELECTRICAL CABLE - 2 CONDUCTOR (TC, NO. 12 AWG) /A,D,E,O,S,T,a,x 861108 STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION 861116 STATE HIGHWAY ADMINISTRATION V, I/C FROM SILVER SPRING AVE. OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION C. EQUIPMENT TO BE RETURNED TO MR. KEITH LORD (Phone: 301-279-1291) TO SILVER SPRING AVE. AT MONTGOMERY COUNTY SIGNAL SHOP US 29 (GEORGIA AVE) AT SILVER SPRING AVE ADDRESS- 1283, BUILDING C, SEVEN LOCKS ROAD, ROCKVILLE, MARYLAND 20854 TRAFFIC SIGNAL DESIGN L,M,N,O,P,Q,R,S,T,U,a,b `A,D,E,T,a,x SILVER SPRING, MD QUANTITY UNIT DESCRIPTION I/C TO SLIGO AVE. GENERAL INFORMATION PLAN SHEET BASE CABINET SIZE 6 EΑ VIDEO DETECTION CAMERA DATE _____07/2009 ___ CONTRACT NO. ____MO2165168 SCALE NTS MONTGOMERY COUNTY DESIGNED BY 15002900.48 LOGMILE DRAWN BY TIMS NO. BRUDIS & ASSOCIATES, IN Consulting Engineers

9240 Rumsey Road; Suite C Columbia, Maryland 21045

Phone 410-884-3607

TS NO. 4286C G

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